

U.S. DEPARTMENT OF AGRICULTURE
FOOD SAFETY AND INSPECTION SERVICE
INTERNATIONAL PROGRAMS

REVIEW DATE

NAME OF FOREIGN LABORATORY

06-28-2001

Red Nacional De Laboratorios De Diagnostico Veteri

FOREIGN COUNTRY LABORATORY REVIEW

FOREIGN GOV'T AGENCY
MAG-FOR

CITY & COUNTRY
Managua, Nicaragua

ADDRESS OF LABORATORY
Managua, Nicaragua, CA.

NAME OF REVIEWER
Dr. S. P. Singh

NAME OF FOREIGN OFFICIAL
Dra. Sonia Garcia Vilchez

Residue Code/Name



100

200

300

400

500

800

902

spv

SAMPLING PROCEDURES

REVIEW ITEMS

ITEM #

EVALUATION CODE

Sample Handling

01

A

A

A

A

A

A

A

A

Sampling Frequency

02

A

A

A

A

A

A

A

A

Timely Analyses

03

A

A

A

A

A

A

A

A

Compositing Procedure

04

O

O

O

O

O

O

O

O

Interpret Comp Data

05

O

O

O

O

O

O

O

O

Data Reporting

06

A

A

A

A

A

A

A

A

ANALYTICAL PROCEDURES

Acceptable Method

07

A

A

A

A

A

A

A

A

Correct Tissue(s)

08

A

A

A

A

A

A

A

A

Equipment Operation

09

A

A

A

A

A

A

A

A

Instrument Printouts

10

A

A

A

A

A

A

A

A

QUALITY ASSURANCE PROCEDURES

Minimum Detection Levels

11

A

A

A

A

A

A

A

A

Recovery Frequency

12

A

A

A

A

A

A

A

A

Percent Recovery

13

A

A

A

A

A

A

A

A

Check Sample Frequency

14

A

A

A

A

A

A

A

A

All analyst w/Check Samples

15

A

A

A

A

A

A

A

A

Corrective Actions

16

A

A

A

A

A

A

A

A

International Check Samples

17

A

A

A

A

A

A

A

A

REVIEW PROCEDURES

Corrected Prior Deficiencies

18

EVAL. CODE

A

A

A

A

A

A

A

A

OTHER REVIEW

19

EVAL. CODE

20

SIGNATURE OF REVIEWER

A.P. Singh Dvm. Ph.D.

DATE

06/28/2001



United States
Department of
Agriculture

Food Safety
And Inspection
Service

Technical
Service
Center

Suite 300, Landmark Center
1299 Farnam Street
Omaha, NE 68102

Questions for Auditing Microbiological Laboratories

Audit Date-----6-28-2001

General

Name & location of lab: *Red Nacional De Laboratorios De Diagnostico,
Ministry of Agriculture and Forestry (MAG-FOR)., Managua, Nicaragua.*

Private or gov't lab? *Government*

How & when was accreditation obtained? *1998, by Accreditation Authority of
Central America.*

How & how often is accreditation maintained? *Process has just started.*

When and how is payment for analysis provided? *By Inspection authorities
and customers and clients.*

Are results released before payment is received? *Yes*

Methodology for HACCP Salmonella samples (regulatory labs)

Does this lab analyze HACCP Salmonella samples? *Yes*

How is HACCP Salmonella samples received & recorded? *Samples are
collected and mailed and brought to the laboratory by the clients.*

IS HACCP Salmonella samples analyzed on the day of receipt? *No (within one
week).*

What method(s) is used for HACCP Salmonella samples? *AOAC*

Is it a qualitative method (i.e. +/- result)? *Yes*

Are HACCP ground beef samples analyzed for Salmonella? *N/A*

What is the size of the ground beef test portion? *N/A*

What buffer is used: *Buffered Peptone Water*

Sponge samples for Salmonella? *Swabs*

Poultry rinsates for Salmonella? *N/A*

Salmonella ground beef sample homogenates? *N/A*

Analytical controls are employed for each set of samples. *Yes*

How are HACCP Salmonella results expressed? *Positive or negative*

How are HACCP Salmonella results recorded: *logbook*

Data sheets/work sheets?

And/or Log books?

How and to whom are HACCP Salmonella results reported? By mail to establishment management

Are "check" samples periodically used to test the proficiency of the lab and analysts for Salmonella testing? Yes

Methodology for HACCP generic E. coli samples (in-plant or other private labs)

Does this lab analyze HACCP generic E. coli samples? Yes

How are HACCP E. coli samples received & recorded? Samples are collected by establishment and sent to the laboratory.

Are HACCP E. coli samples analyzed on the day of receipt? No - within one week

What method is used for HACCP generic E. coli samples? AOAC

Is it a quantitative method? Yes

What buffer is used: Buffered Peptone Water

**E. coli sponge samples? Swabs
Poultry rinsates for generic E. coli? N/A**

Are analytical controls are employed for each set of samples? Yes

**How are HACCP E. coli results calculated and/or expressed?
Quantitative=cfu/sqcm**

How are E. coli results recorded: Log books

data sheets/work sheets?

Log books?

How and to whom are HACCP E. coli results reported? By mail to establishment management and government inspection authorities.

Are "check" samples periodically used to test the proficiency of the lab and analysts for generic E. coli testing? Yes